



\$60⁰⁰/1400

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#39

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 4,818,816

Issued: April 4, 1989

Name of Patentee: Petitou, et al.

Title of Invention: PROCESS FOR THE ORGANIC SYNTHESIS OF OLIGOSACCHARIDES AND DERIVATIVES THEREOF

Commissioner of Patents and Trademarks

Washington, D.C. 20231

ATTENTION: Decision and Certificate of Correction
Branch of the Patent Issue Division

PATENT & TRADEMARK OFFICE
RECEIVED

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR
APPLICANT'S MISTAKE (37 CFR 1.323) APR 24 1990

1. It is noted that an error appears in this patent of a

- clerical
 typographical
 minor

CERTIFICATE OF CORRECTION BR.

nature or character as more fully described below and occurred in good faith and correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination and a certificate of correction is requested.

2. Attached hereto in duplicate is Form PTO-1050 with at least one copy being suitable for printing.

NOTE: Form PTO—1050, using the column and line number in the printed patent, should be used exclusively regardless of the length or complexity of the subject matter. MPEP § 1485.

NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. MPEP § 1485.

Page 17, line 23 of the application as filed correctly states that the "U" unit has an orthoester group. "U" refers to a uronic acid unit, as shown at page 2, line 5 of the application. In the issued patent the orthoester group is incorrectly recited as part of a "glucosamine" instead of a "uronic acid" unit in claim 13, line 20 and claim 29, line 20.

Figure 12, compound 54, of the application as filed correctly shows the reactive group at the far right side of compound 54 as "OC(NH)CCl₃". In the issued patent the reactive group is incorrectly shown as "C(NH)CCl₃" in claim 14, line 18, claim 30, line 18, and claim 49, line 26.

(Request for Certificate of Correction of Patent for Applicant's Mistake (37 CFR 1.323)

[14-2]—page 1 of 3

050 04/19/90 074818816

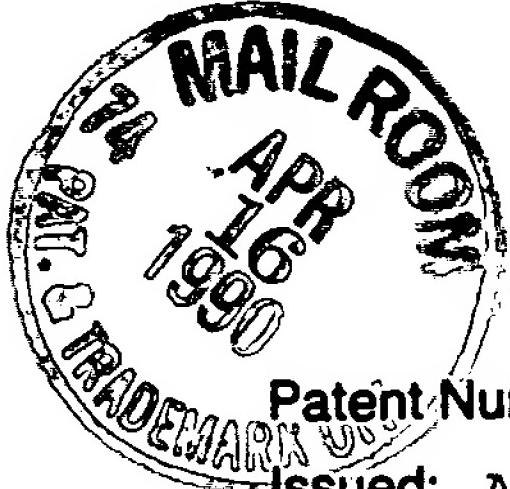
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on April 12, 1990.

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APPROVED

MARY J. OLLER
THE COMMISSIONER OF PAT. & T.M.



G of G
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 4,818,816

Issued: April 4, 1989

Name of Patentee: Petitou, et al.

Title of Invention: PROCESS FOR THE ORGANIC SYNTHESIS OF OLIGOSACCHARIDES AND DERIVATIVES THEREOF

Commissioner of Patents and Trademarks

Washington, D.C. 20231

ATTENTION: Decision and Certificate of Correction
Branch of the Patent Issue Division

PATENT & TRADEMARK OFFICE
RECEIVED

APR 24 1990

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 CFR 1.322(a))

CERTIFICATE OF CORRECTION BR.

1. Attached in duplicate is Form PTO—1050 with at least one copy being suitable for printing.

NOTE: Form PTO—1050, using the column and line number in the printed patent, should be used exclusively regardless of the length or complexity of the subject matter. MPEP § 1485.

NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. MPEP § 1485.

2. The exact page and line number where the errors occur in the application file are:

NOTE: This information should be identified in this request, however, on Form PTO—1050, only the column and line number in the printed patent should be used. MPEP § 1485.

The Declaration included with parent application Serial No. 451,615 filed on December 20, 1982 indicated that the parent application was directed to the national phase of PCT/FR 82/00076 filed April 28, 1982 and claimed priority of FR 81 08472 filed April 28, 1981.

The Filing Receipt issued in Serial No. 07/115,593 lists the proper foreign priorities including PCT FR 82/0076 and twelve french priorities.

In claim 184, at page 26 of the Amendment filed February 16, 1988 the compounds shown depict the following:

Compounds I - XII correctly show "R'" at the far left of each figure, not "R". "R'" is also correctly shown at page 28 of that Amendment, four lines from the bottom.

Compound V is correctly shown having an " $\text{C}_6\text{H}_5\text{O}$ " bond, not an " $\text{C}_6\text{H}_5\text{O}^-$ " bond.

Compound VII is correctly shown having all "COOM" groups shown "COOM"

Compound XII is correctly shown having the "COOM" group in the middle as "COOM"

I hereby certify that this correspondence is being (Request for Certificate of Correction—PTO Mistake [14-1]—page 1 of 2) deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231, on April 12, 1990.
Yvette Morales

3. The exact page and line number where the error occurs in the application file are:

NOTE: This information should be identified in this request, however, on Form PTO-1050, only the column and line number in the printed patent should be used. MPEP § 1485.

Page 31, line 18 recites that "R" is an imidoyl group. The compounds, for example compound IV at page 31, line 1, correctly show the group "OR", i.e. "O-imidoyl". In the issued patent claim 48, line 25, incorrectly recites "lower imidoyl" instead of "O-lower imidoyl". Claims 12 and 29 correctly recite "O-lower imidoyl".

3. Please send the Certificate to:

Name: Seth H. Jacobs
Address: Davis Hoxie Faithfull & Hapgood, 45 Rockefeller Plaza,
New York, NY 10111

(Complete if applicable)

Signature(s) of patentee(s)

or

Type or print name of assignee

Assignment recorded on

Reel _____

Frame _____

Recordal of assignment attached

(Type or print name of authorized person

signing)

Attorney of Record

Title of authorized person signing

NOTE: "A certificate of correction, under 35 U.S.C. 254, may be issued at the request of the patentee or his assignee." 37 CFR 1.322(a). The certificate of correction can be signed by the attorney of record who acts on behalf of the inventor(s) or assignee(s).

4. Please send the Certificate to

Name: Seth H. Jacobs

Address: Davis Hoxie Faithfull & Hapgood, 45 Rockefeller Plaza,
New York, NY 10111

5. Please pay the fee of \$— as required by 37 CFR 1.20(a), as follows:

enclosed is a check for \$60.00

charge Deposit Account _____ the sum of \$60.00. A duplicate of this request is attached.

Reg. No. 32,140

Seth H. Jacobs
SIGNATURE OF ATTORNEY

Seth H. Jacobs

Tel. No. (212) 757-2200

Type or print name of attorney

Davis Hoxie Faithfull & Hapgood

P.O. Address

45 Rockefeller Plaza, New York, NY 10111

NOTE: The certificate of correction for applicant's mistake may be signed by the attorney of record unlike that for PTO mistake where the patentee or an owner of an interest in the invention must make the request.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 4,818,816

DATED : April 4, 1989

INVENTOR(S) : Petitou, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The following should be added to the title page under Foreign Application Priority Data

FOREIGN/PCT APPLICATIONS	FRANCE	8108472	04/28/81
	FRANCE	8200621	01/15/82
	FRANCE	8201575	02/01/82
	FRANCE	8202526	02/16/82
	FRANCE	8209392	05/28/82
	FRANCE	8210892	06/22/82
	FRANCE	8210891	06/22/82
	FRANCE	8211679	07/02/82
	FRANCE	8213804	08/06/82
	FRANCE	8215803	09/20/82
	FRANCE	8215804	09/20/82
	FRANCE	8218003	10/27/82
	PCT	PCT/FR82/0076	04/28/82

MAILING ADDRESS OF SENDER:

Seth H. Jacobs
Davis Hoxie Faithfull
& Hapgood
45 Rockefeller Plaza
New York, NY 10111

PATENT NO. 4,818,816

Certificate of Correction (PTO Form 1050)—Amended

→ 1 of 4

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

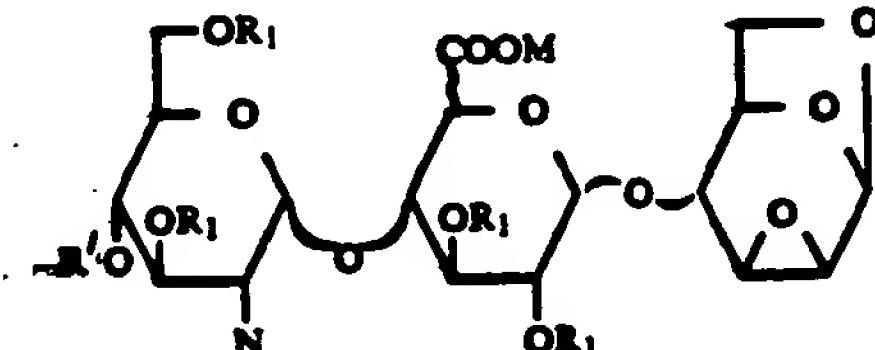
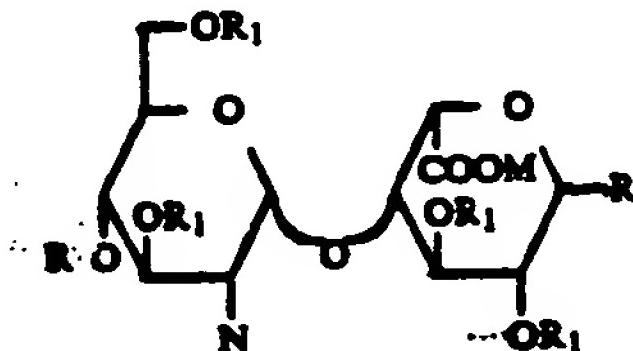
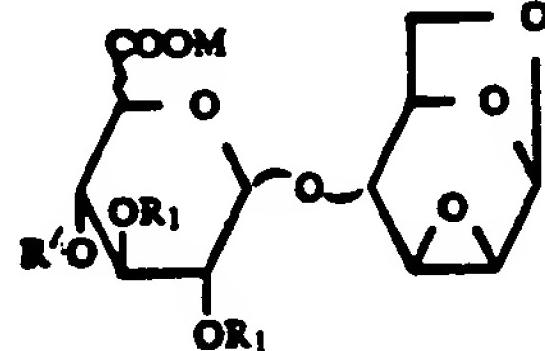
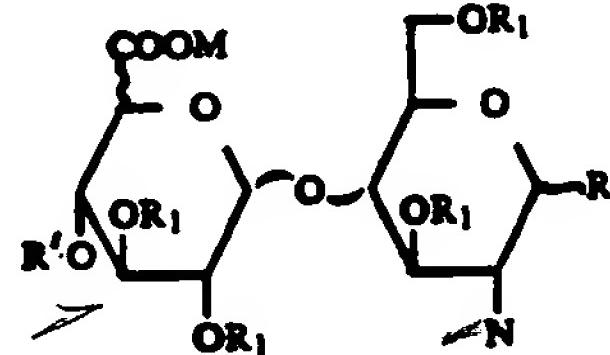
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INVENTOR(S) : Petitou, et al.

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At Col. 80, compounds I - IV should be:



MAILING ADDRESS OF SENDER:

Seth H. Jacobs

Davis Hoxie Faithfull

& Hapgood Certificate of Correction (PTO Form 1050)—Amended

45 Rockefeller Plaza
New York, NY 10111

PATENT NO. 4,818,816

2 of 4

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

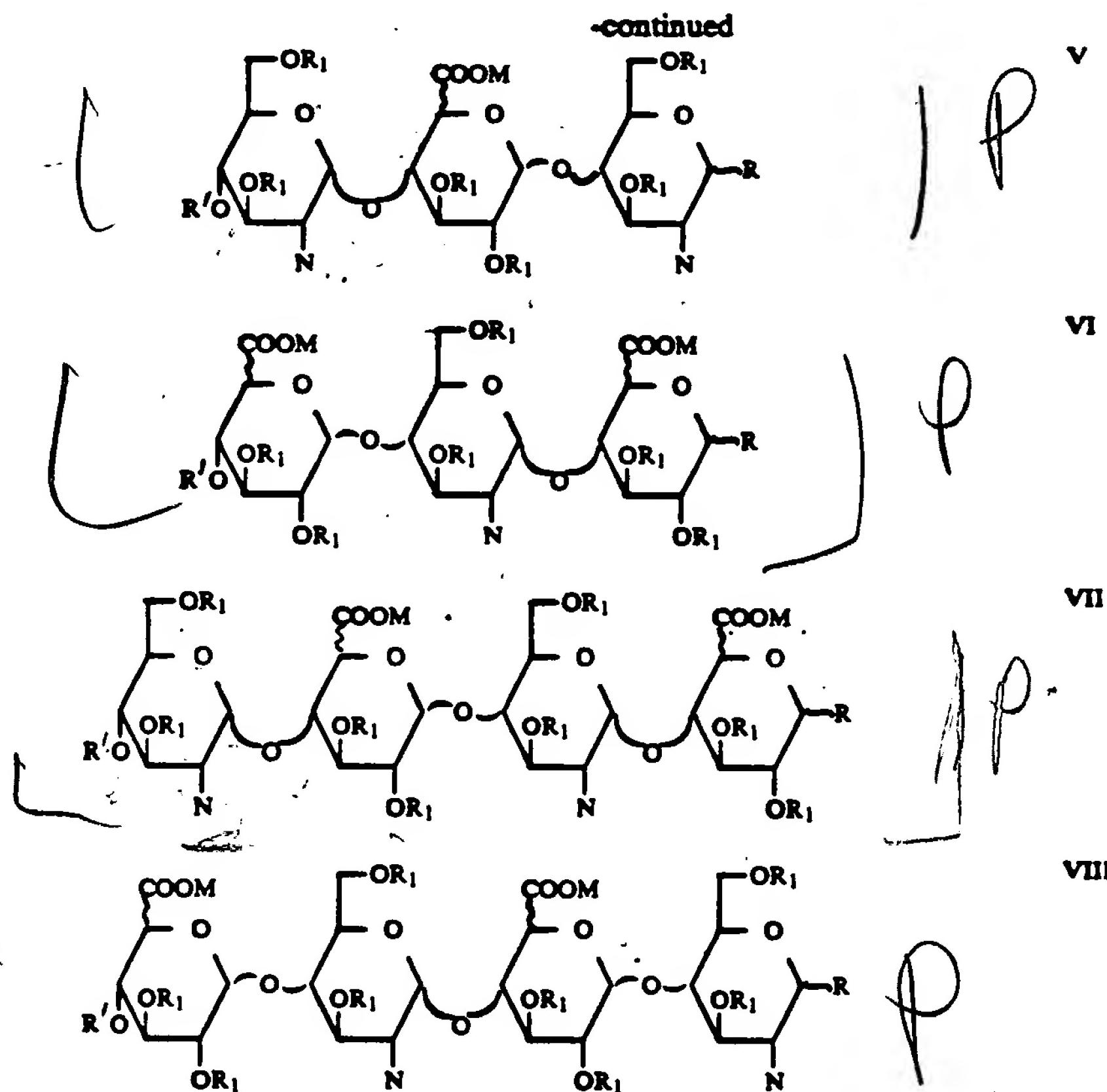
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DATED : April 4, 1989

INVENTOR(S) : Petitou, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Col. 81, compounds V - VIII should be:



MAILING ADDRESS OF SENDER:

Seth H. Jacobs

Davis Hoxie

Faithfull & Hapgood
45 Rockefeller Plaza
New York, NY 10111

PATENT NO. 4,818,816

Certificate of Correction (PTO Form 1050)—Amended

→ 3 of 4

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

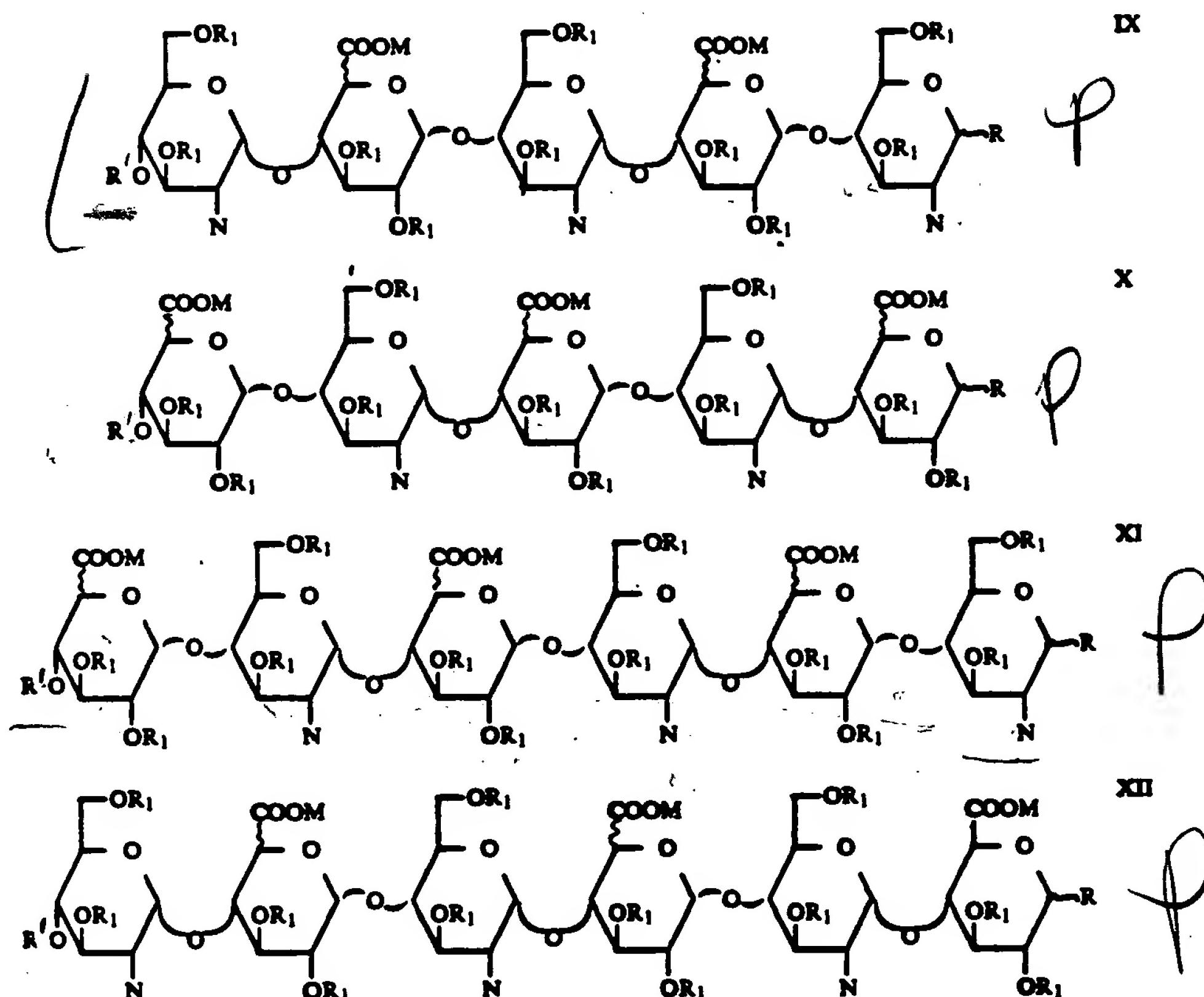
PATENT NO. : 4,818,816

DATED : April 4, 1989

INVENTOR(S) : Petitou, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Col. 81, compounds IX - XII should be:



MAILING ADDRESS OF SENDER:

Seth H. Jacobs

Davis Hoxie Faithfull

& Hapgood Certificate of Correction (PTO Form 1050)—Amended
45 Rockefeller Plaza
New York, NY 10111

PATENT NO. 4,818,816

Page 4 of 4

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 4,818,816
DATED : April 4, 1989
INVENTOR(S) : Petitou, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 13, line 19, at Col. 73, line 58 should read: *Atty*
"3. an orthoester formed between carbon 1 and carbon 2 of a uronic acid unit."

Claim 29, line 19, at Col. 77, line 46 should read:

"3. an orthoester formed between carbon 1 and carbon 2 of a uronic acid unit." *Atty*

Claim 49, line 27, at Col. 85, line 18 should read:

"3. an orthoester formed between carbon 1 and carbon 2 of a uronic acid unit." *Atty*

~~Claim 14~~, line 18, at Col. 73, line 9, should read:

"4. OC(NH)CCl₃." *Atty*

Claim 30, line 18, at Col. 78, line 3, should read:

"4. OC(NH)CCl₃." *Atty*

Claim 48, line 25 at Col. 84, line 34, should read:

"2. O-lower imidoyl" *Atty*

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New York, NY 10111

PATENT NO. 4,818,816

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→ Page 1 of 1



UNITED STATES DEPARTMENT OF COMMERCE
Patent & Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

FROM: DECISIONS & CERTIFICATES OF CORRECTION BRANCH

RE : TERMINAL DISCLAIMER

TO : LOCATION 183

DATE: 11/16/88

RE : SERIAL NO. 07/115593

1. The terminal date has been omitted from the label on the face of the file jacket since the related application is pending in your group or abandoned.
2. The terminal date has been omitted from the label on the face of the file jacket since the application has not been assigned an issuance date.
3. The delay is regretted. The informality has now been corrected.

C. S. Newma

For Head, Decisions &
Certificates of Correction Branch

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 4,818,816

DATED : April 4, 1989

Page 1 of 6

INVENTOR(S) : Petitou, et al.

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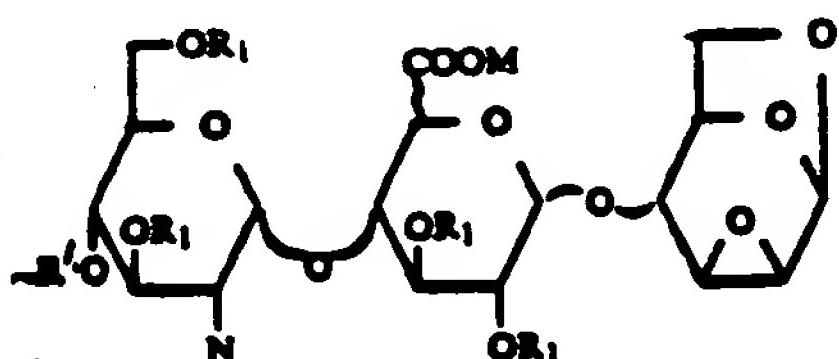
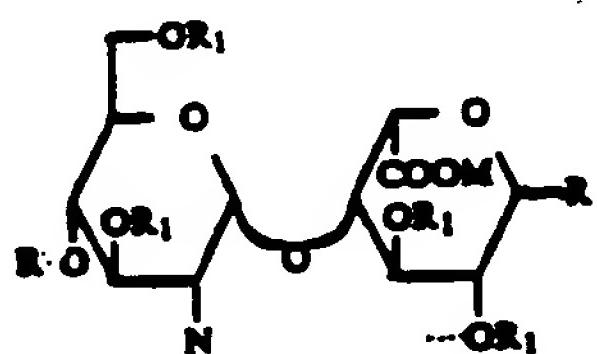
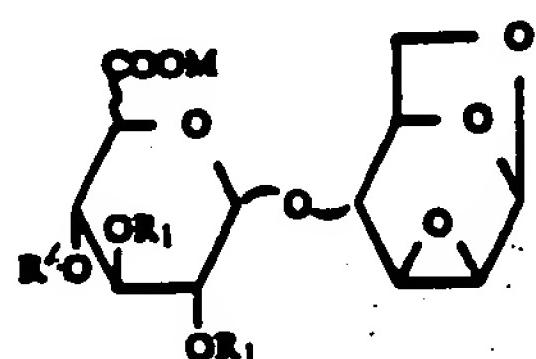
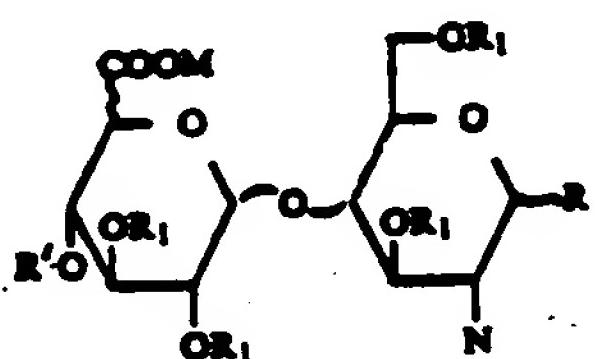
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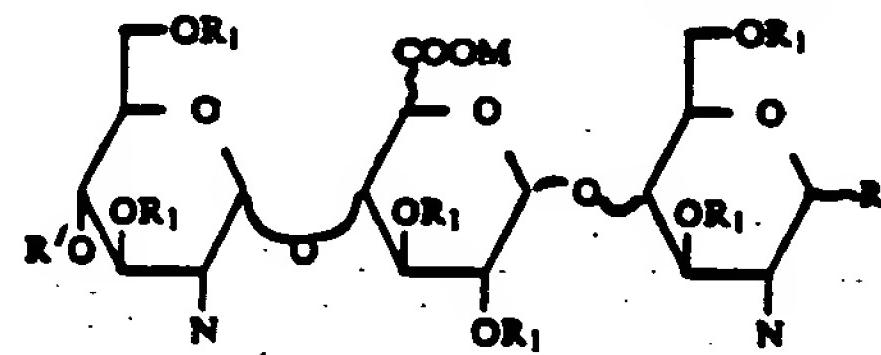
Page 4 of 6

INVENTOR(S) : Petitou, et al.

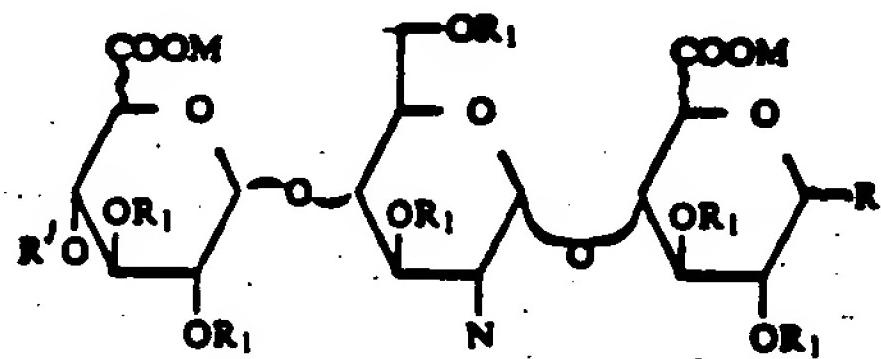
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Col. 81, compounds V - VIII should be:

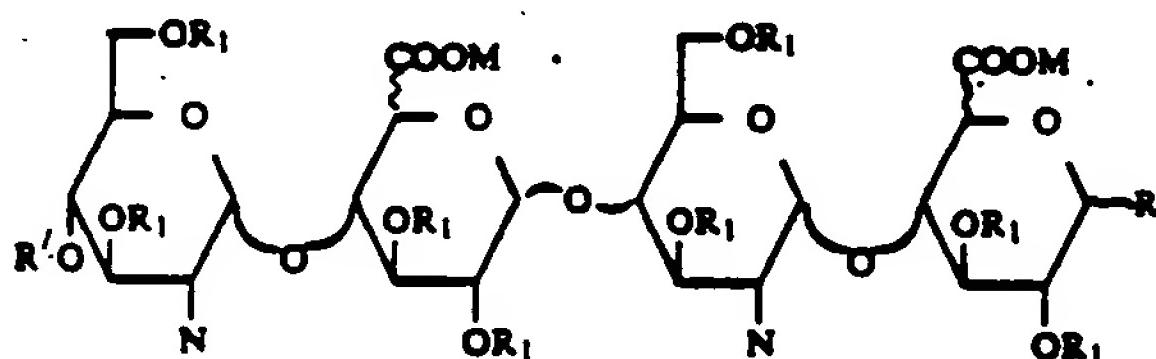
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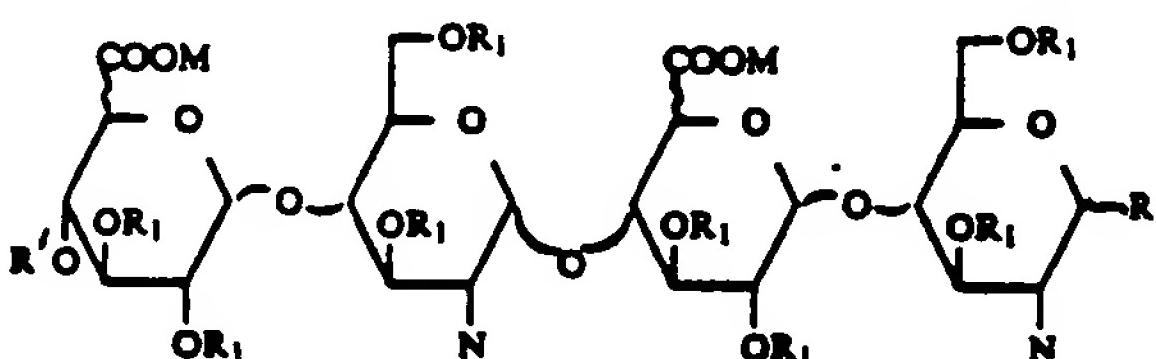
V



VI



VII



VIII

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 4,818,816

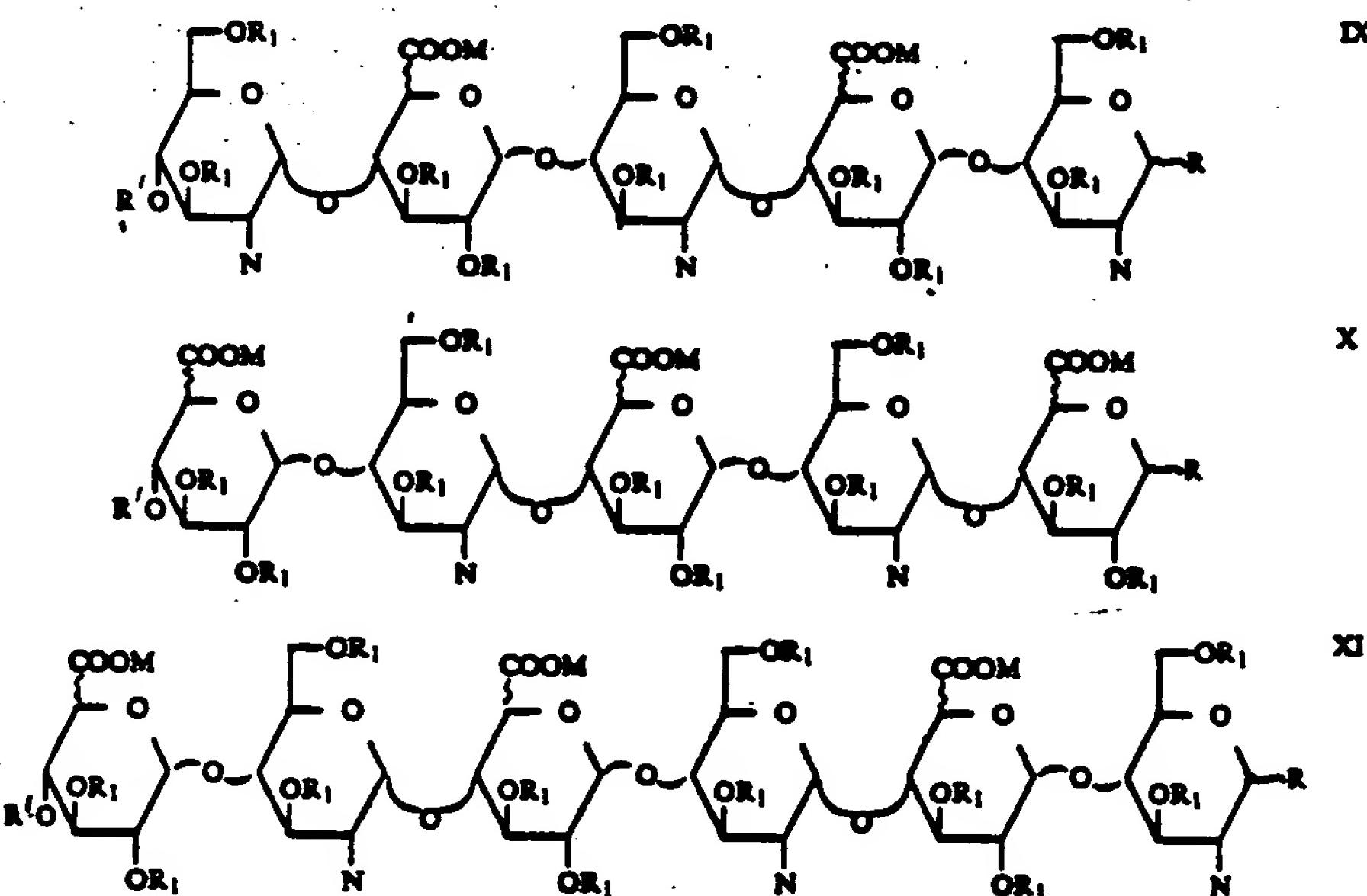
DATED : April 4, 1989

Page 5 of 6

INVENTOR(S) : Petitou, et al.

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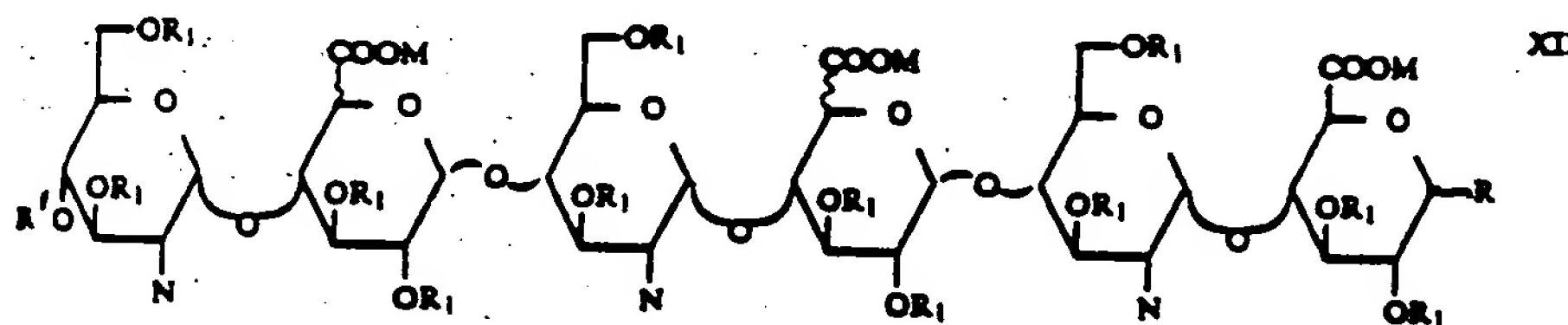
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DATED : April 4, 1989

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Page 6 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:



Signed and Sealed this

Seventeenth Day of December, 1991

Attest:

HARRY F. MANBECK, JR.

Attesting Officer

Commissioner of Patents and Trademarks